ArcelorMittal Burns Harbor, LLC.
Flat Carbon Steel

ArcelorMittal

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
Mr. James Filippini
Mr. Douglas Lamb
Water Division Compliance Branch
United States Environmental Protection Agency, Region V
77 West Jackson Boulevard (WC-15J)
Chicago, Illinois 60604-3590

September 10, 2015
PJ/DW

Subject: Annual Dock Wall Observation and Repair
Consent Decree – Case No. 2:96-CV-96-RL-1
ArcelorMittal Burns Harbor LLC

Dear Messrs. Filippini and Lamb:

Attachment 1 is the summary report of the annual dock wall inspection for 2015. This document summarizes the results of the annual dock wall observation that was conducted on August 4, 6, and 27, 2015, by Weaver Consultants Group, contractor to ArcelorMittal Burns Harbor, as required by Paragraph 21 of the subject decree.

During the annual observations, nine (9) locations were found along the dock wall with discernible discharges of flowing water. Notification regarding these findings was made via e-mail to Ms. Susan Prout (EPA Region V, Office of Regional Counsel) by T. E. Kirk on August 5, 2015. There were no additional discernable discharges found during the second or third phases of the inspection.

All of the locations were found in the coffer dam section of the dock wall. The height above the Lake Michigan level and the estimated flow from each location is noted in Attachment 1.

Samples were obtained from all locations and submitted to a contract analytical laboratory for nitrogen-ammonia analysis. The results of these analyses are provided in Attachment 2. The results are also summarized in the Attachment 1 table and used to estimate the amount of ammonia discharged, on a daily basis, from these locations. Digital photographs of each of the locations were also obtained and are provided in Attachment 3.

ArcelorMittal Burns Harbor, LLC.
Environmental Mgmt. Dept.
250 W. U.S. Highway 12
Burns Harbor, IN 46304
USA

T +1 219 787 2712
F +1 219 787 4973
www.arcelormittal.com

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Repairs have been contracted and are expected to begin before the end of the month. Due to heavy boat traffic, an estimated date of completion of repairs is not available. Photographs of the locations after repair/sealing will be provided in a separate report.

No one particular cause for the discharges was identified. Because all of the discharges were observed along the coffer dam section of the harbor wall and the nitrogen-ammonia concentrations of most of the discharges are well below the concentration of the groundwater being captured by the dewatering well system (i.e., average of 6.0 mg/L for the previous 12 months), it is surmised that these concrete cellular revetments were discharging accumulated stormwater runoff that had inadvertently seeped through the caps of these structures. Therefore, the source of the water is not groundwater that is adequately being controlled by the dewatering well system. Based on the ammonia concentrations and estimated flow rates summarized in Attachment 1, approximately sixty five one hundredths of a pound per day (0.65 lbs/day) of ammonia was being discharged to the harbor from all 8 locations. Notwithstanding, Burns Harbor has responded as quickly as possible to the identification of the locations in order to timely minimize and/or eliminate any potential impact.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and that I have made a diligent inquiry of those individuals immediately responsible for obtaining the information and that to the best of my knowledge and belief, the information submitted herewith is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Very truly yours,

R. A. Maciel, Manager
Environmental Management Department

Attachments

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Environmental Mgmt. Dept.
250 W. U.S. Highway 12
Burns Harbor, IN 46304
USA

T +1 219 787 2712
F +1 219 787 4973
www.arcelormittal.com

ArcelorMittal Burns Harbor, LLC
Annual Dock Wall Observation
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 1 – Summary Report of the Annual dock Wall Inspection

ArcelorMittal Burns Harbor, LLC
August 4, 6, and 27, 2015 Dock Wall Inspection
Performed by: Weaver Boos Consultants

ID Number	Height Above Water (feet)	Estimated Flow Rate (Liters/minute)	Estimated Flow (Gal/Min)	Ammonia Concentration* (mg/L)	Ammonia Dischage (Pounds/day)	Date of Repair
15-1	3	50	13.2	0.59	0.09	TBD
15-2	1	10	2.6	0.65	0.02	TBD
15-3	4.5	1	0.3	1.1	<0.01	TBD
15-4	3	2	0.5	3.3	0.02	TBD
15-5	5	10	2.6	1.1	0.03	TBD
15-6	5	30	7.9	1.4	0.13	TBD
15-7	4.5	20	5.3	5.2	0.33	TBD
15-8	4	5	1.3	0.28	<0.01	TBD
15-9	5	5	1.3	0.28	<0.01	TBD

Total Potential Ammonia Discharge (pounds per day) from all locations: **0.65**

* Results reported are the larger of the sample and duplicate analysis.

ArcelorMittal Burns Harbor, LLC
Annual Dock Wall Observation
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 2 – Nitrogen Ammonia Analytical Results

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August 12, 2015

Arcelor Mittal USA, Inc.
250 W US Highway 12
Burns Harbor, IN 46304-9745

Work Order No.: 15H0220

Re: Ore Dock Wall Annual

Dear Teri Kirk:

Microbac Laboratories, Inc. - Chicagoland Division received 18 sample(s) on 8/5/2015 9:30:00AM for the analyses presented in the following report as Work Order 15H0220.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please contact your project manager. For any feedback, please contact Robert Crookston, Managing Director, at robert.crookston@microbac.com.

Sincerely,
Microbac Laboratories, Inc.

Carey Gadzala
Project Manager

MICROBAC®

WORK ORDER SAMPLE SUMMARY

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Project: Ore Dock Wall Annual
Lab Order: 15H0220

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
15H0220-01	15-1		08/04/2015 10:50	8/5/2015 9:30:00AM
15H0220-02	15-1D		08/04/2015 10:50	8/5/2015 9:30:00AM
15H0220-03	15-2		08/04/2015 10:58	8/5/2015 9:30:00AM
15H0220-04	15-2D		08/04/2015 10:58	8/5/2015 9:30:00AM
15H0220-05	15-3		08/04/2015 11:10	8/5/2015 9:30:00AM
15H0220-06	15-3D		08/04/2015 11:10	8/5/2015 9:30:00AM
15H0220-07	15-4		08/04/2015 11:25	8/5/2015 9:30:00AM
15H0220-08	15-4D		08/04/2015 11:25	8/5/2015 9:30:00AM
15H0220-09	15-5		08/04/2015 11:40	8/5/2015 9:30:00AM
15H0220-10	15-5D		08/04/2015 11:40	8/5/2015 9:30:00AM
15H0220-11	15-6		08/04/2015 11:55	8/5/2015 9:30:00AM
15H0220-12	15-6D		08/04/2015 11:55	8/5/2015 9:30:00AM
15H0220-13	15-7		08/04/2015 12:10	8/5/2015 9:30:00AM
15H0220-14	15-7D		08/04/2015 12:10	8/5/2015 9:30:00AM
15H0220-15	15-8		08/04/2015 16:05	8/5/2015 9:30:00AM
15H0220-16	15-8D		08/04/2015 16:05	8/5/2015 9:30:00AM
15H0220-17	15-9		08/04/2015 16:12	8/5/2015 9:30:00AM
15H0220-18	15-9D		08/04/2015 16:12	8/5/2015 9:30:00AM

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-1
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-01
Sampled: 08/04/2015 10:50
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/11/2015 13:45**
Nitrogen, Ammonia (As N)	ch	A	***0.59***	0.10		mg/L	1	08/12/2015 12:12

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-1D
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-02
Sampled: 08/04/2015 10:50
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/11/2015 13:45**
Nitrogen, Ammonia (As N)	ch	A	***0.55***	0.10		mg/L	1	08/12/2015 12:14

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-2
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-03
Sampled: 08/04/2015 10:58
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/11/2015 13:45**
Nitrogen, Ammonia (As N)	ch	A	***0.59***	0.10		mg/L	1	08/12/2015 12:16

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-2D
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-04
Sampled: 08/04/2015 10:58
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/11/2015 13:45**
Nitrogen, Ammonia (As N)	ch	A	***0.65***	0.10		mg/L	1	08/12/2015 12:18

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-3
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-05
Sampled: 08/04/2015 11:10
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/11/2015 13:45**
Nitrogen, Ammonia (As N)	ch	A	***1.1***	0.10		mg/L	1	08/12/2015 12:20

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-3D
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-06
Sampled: 08/04/2015 11:10
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/11/2015 13:45**
Nitrogen, Ammonia (As N)	ch	A	***1.0***	0.10		mg/L	1	08/12/2015 12:22

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-4
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-07
Sampled: 08/04/2015 11:25
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: EPA 350.1 Rev 2.0					Analyst: GRIEF
Nitrogen, Ammonia as N			Prep Method: Aqueous Ammonia Distillation					Prep Date/Time: 08/11/2015 13:45
Nitrogen, Ammonia (As N)	ch	A	*3.1*	0.10		mg/L	1	08/12/2015 12:23

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-4D
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-08
Sampled: 08/04/2015 11:25
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/12/2015 08:55**
Nitrogen, Ammonia (As N)	ch	A	***3.3***	0.10		mg/L	1	08/12/2015 12:33

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-5
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-09
Sampled: 08/04/2015 11:40
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/12/2015 08:55**
Nitrogen, Ammonia (As N)	ch	A	***1.1***	0.10		mg/L	1	08/12/2015 12:39

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-5D
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-10
Sampled: 08/04/2015 11:40
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/12/2015 08:55**
Nitrogen, Ammonia (As N)	ch	A	***0.98***	0.10		mg/L	1	08/12/2015 12:41

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-6
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-11
Sampled: 08/04/2015 11:55
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: EPA 350.1 Rev 2.0					Analyst: GRIEF
Nitrogen, Ammonia as N			Prep Method: Aqueous Ammonia Distillation					Prep Date/Time: 08/12/2015 08:55
Nitrogen, Ammonia (As N)	ch	A	*1.4*	0.10		mg/L	1	08/12/2015 12:43

MICROBAC®

Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-6D
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-12
Sampled: 08/04/2015 11:55
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/12/2015 08:55**
Nitrogen, Ammonia (As N)	ch	A	***1.3***	0.10		mg/L	1	08/12/2015 12:45

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-7
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-13
Sampled: 08/04/2015 12:10
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/12/2015 08:55**
Nitrogen, Ammonia (As N)	ch	A	***5.0***	0.10		mg/L	1	08/12/2015 12:47

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-7D
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-14
Sampled: 08/04/2015 12:10
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/12/2015 08:55**
Nitrogen, Ammonia (As N)	ch	A	***5.2***	0.10		mg/L	1	08/12/2015 12:52

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-8
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-15
Sampled: 08/04/2015 16:05
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
Nitrogen, Ammonia as N			Method: **EPA 350.1 Rev 2.0** Prep Method: **Aqueous Ammonia Distillation**				Analyst: **GRIEF** Prep Date/Time: **08/12/2015 08:55**	
Nitrogen, Ammonia (As N)	ch	A	***0.28***	0.10		mg/L	1	08/12/2015 12:54

MICROBAC®

Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-8D
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-16
Sampled: 08/04/2015 16:05
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
			Method: **EPA 350.1 Rev 2.0**					Analyst: **GRIEF**
Nitrogen, Ammonia as N			Prep Method: **Aqueous Ammonia Distillation**					Prep Date/Time: **08/12/2015 08:55**
Nitrogen, Ammonia (As N)	ch	A	***0.23***	0.10		mg/L	1	08/12/2015 12:56

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Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-9
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-17
Sampled: 08/04/2015 16:12
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
Nitrogen, Ammonia as N			Method: **EPA 350.1 Rev 2.0** Prep Method: **Aqueous Ammonia Distillation**				Analyst: **GRIEF** Prep Date/Time: **08/12/2015 08:55**	
Nitrogen, Ammonia (As N)	ch	A	***0.28***	0.10		mg/L	1	08/12/2015 12:58

MICROBAC®

Analytical Results

Date: *Wednesday, August 12, 2015*

Client: Arcelor Mittal USA, Inc.
Client Project: Ore Dock Wall Annual
Client Sample ID: 15-9D
Sample Description:
Matrix: Aqueous

Work Order/ID: 15H0220-18
Sampled: 08/04/2015 16:12
Received: 08/05/2015 9:30

Analyses	Certs	AT	Result	RL	Qual	Units	DF	Analyzed
Nitrogen, Ammonia as N			Method: **EPA 350.1 Rev 2.0** Prep Method: **Aqueous Ammonia Distillation**				Analyst: **GRIEF** Prep Date/Time: **08/12/2015 08:55**	
Nitrogen, Ammonia (As N)	ch	A	***0.23***	0.10		mg/L	1	08/12/2015 13:00

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FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

B = Detected in the associated method Blank at a concentration above the routine RL
b- = Detected in the associated method Blank at a concentration greater than 2.2 times the MDL
b* = Detected in the associated method Blank at a concentration greater than half the RL
CFU = Colony forming units
D = Dilution performed on sample
DF = Dilution Factor
g = Gram
E = Value above quantitation range
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference
J = Analyte concentration detected between RL and MDL (Metals / Organics)
LOD = Limit of Detection
LOQ = Limit of Quantitation
m3 = Meters cubed
MDL = Method Detection Limit
mg/Kg = Milligrams per Kilogram (ppm)
mg/L = Milligrams per Liter (ppm)
NA = Not Analyzed
ND = Not Detected at the Reporting Limit (or the Method Detection Limit, if used)
NR = Not Recovered
R = RPD outside accepted recovery limits
RL = Reporting Limit
S = Spike recovery outside recovery limits
Surr = Surrogate
U = Undetected
> = Greater than
< = Less than
% = Percent
* = Result exceeds project specific limits

ANALYTE TYPES: (AT)

A,B = Target Analyte
I = Internal Standard
M = Summation Analyte
S = Surrogate
T = Tentatively Identified Compound (TIC, concentration estimated)

QC SAMPLE IDENTIFICATIONS

BLK = Method Blank
DUP = Method Duplicate
BS = Method Blank Spike
MS = Matrix Spike
ICB = Initial Calibration Blank
CCB = Continuing Calibration Blank
CRL = Client Required Reporting Limit
PDS = Post Digestion Spike
QCS = Quality Control Standard
ICSA = Interference Check Standard "A"
ICSAB = Interference Check Standard "AB"
BSD = Method Blank Spike Duplicate
MSD = Matrix Spike Duplicate
ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification
OPR = Ongoing Precision and Recovery Standard
SD = Serial Dilution

CERTIFICATIONS (Certs)

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

a The American Association for Laboratory Accreditation [A2LA] for Biological Testing, ISO/IEC 17025 (Certificate# 3045.01)
b The American Association for Laboratory Accreditation [A2LA] for Environmental Department of Defense Testing, ISO/IEC 17025 (Certificate# 3045.02)
c Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #200064)
d Illinois DOPH for the microbiological analysis of drinking water (registry #1755266)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
e Indiana State Board of Animal Health for microbiological analysis of dairy containers (18137)
f Indiana SDH for the chemical analysis of drinking water (lab #C-45-03)
g Indiana SDH for the microbiological analysis of drinking water (lab #M-45-8)
h Kansas DPHE for the analysis of drinking water, wastewater, and solid hazardous waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (Certificate No. E-10397)
i Kentucky DEP for the analysis of samples applicable to the Underground Storage Tank program (lab #75)
j Kentucky EEC Wastewater Laboratory Certification Program for the analysis of wastewater (lab #90147)
k New York SDOH in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (Lab#12006)
m North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations(certificate #597)
n Pennsylvania Department of Environmental Protection [NELAP] (Lab# 68-04863)
- United States Department of Agriculture Animal and Plant Health Inspection Service Permit To Receive Soil (Permit #P330-12-00174))
o Washington State Department of Ecology in accordance to Ch. 173-50 WAC (lab #C992)
p Wisconsin Department of Natural Resources for the chemical analysis of wastewater and solid waste (lab #998036710)
q Center for Disease Control [CDC] ELITE Proficiency Program member

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COOLER INSPECTION

Date: Wednesday, August 12, 2015

Client Name: Arcelor Mittal USA, Inc.

Date/Time Received: 08/05/2015 09:30

Work Order Number: 15H0220

Received by: Dave Bryant

Checklist completed by: 8/5/2015 5:57:00PM | Dave Bryant

Reviewed by: 8/6/2015 | CAG

Carrier Name: Microbac

Cooler ID: Default Cooler

Container/Temp Blank Temperature: 6.0° C

After-Hour Arrival?	Yes	☐	No	☑		
Shipping container/cooler in good condition?	Yes	☑	No	☐	Not Present	☐
Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	Not Present	☑
Custody seals intact on sample containers?	Yes	☐	No	☐	Not Present	☑
COC present?	Yes	☑	No	☐		
COC included sufficient client identification?	Yes	☑	No	☐		
COC included sufficient sample collector information?	Yes	☑	No	☐		
COC included a sample description?	Yes	☑	No	☐		
COC agrees with sample labels?	Yes	☑	No	☐		
COC identified the appropriate matrix?	Yes	☑	No	☐		
COC included date of collection?	Yes	☑	No	☐		
COC included time of collection?	Yes	☑	No	☐		
COC identified the appropriate number of containers?	Yes	☑	No	☐		
Samples in proper container/bottle?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
If the samples are preserved, are the preservatives identified?	Yes	☑	No	☐		

If No, adjusted by? _____

COC included the requested analyses?	Yes	☑	No	☐		
COC signed when relinquished and received?	Yes	☑	No	☐		
Samples received on ice?	Yes	☑	No	☐		
Samples properly preserved?	Yes	☑	No	☐		
Voa vials for aqueous samples have zero headspace?	Yes	☐	No	☐	No VOA vials submitted	☑

Cooler Comments:

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.

Sample ID	Client Sample ID	Comments
15H0220-01	15-1	
15H0220-02	15-1D	
15H0220-03	15-2	
15H0220-04	15-2D	
15H0220-05	15-3	
15H0220-06	15-3D	
15H0220-07	15-4	
15H0220-08	15-4D	
15H0220-09	15-5	
15H0220-10	15-5D	
15H0220-11	15-6	
15H0220-12	15-6D	
15H0220-13	15-7	
15H0220-14	15-7D	
15H0220-15	15-8	
15H0220-16	15-8D	
15H0220-17	15-9	
15H0220-18	15-9D	

15H0220 Carey Gadzala
ArcelorMittal - Burns Harbor, IN
Ore Dock Wall Annual
08/05/2015

MICROBAC®

Samples Submitted to:
[X] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664
[ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record
Number 129986
Instructions on back

Name ARCELORMITTAL BURNS HARBOR	Project ORE DOCK WALL ANNUAL	Turnaround Time	Report Type
250W US 12	Location ORE DOCK	[X] Routine (7 working days)	[ ] Results Only [ ] Level II
City, State, Zip BURNS HARBOR IN 46304	PO #	[ ] RUSH* (notify lab)	[ ] Level III [ ] Level III CLP-like
Contact TERI KIRK	Compliance Monitoring? [X] Yes(1) [ ] No RCRA	_____ (needed by)	[ ] Level IV [ ] Level IV CLP-like
Phone # 219. 787-4643	(1)Agency/Program CORRECTIVE ACTION		[ ] EDD

Sampler (PRINT) A. HUANG & S. STANFORD Sampler Signature _____ Sampler Phone # 574-271-3447
Report via [ ] Mail [ ] Telephone [ ] Fax (fax #) _____ [X] e-mail (address) THERESA.KIRK@ARCELORMITTAL.COM

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)
Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types ** ↓	AMMONIA									For Lab Use Only
15-1	GW	✓		N	8.4.15	1050	1	(2)	X									15H0220 01
15-1D	"	"		"	"	1050	"	"	"									02
15-2	"	"		"	"	1058	"	"	"									03
15-2D	"	"		"	"	1058	"	"	"									04
15-3	"	"		"	"	1110	"	"	"									05
15-3D	"	"		"	"	1110	"	"	"									06
15-4	"	"		"	"	1125	"	"	"									07
15-4D	"	"		"	"	1125	"	"	"									08
15-5	"	"		"	"	1140	"	"	"									09
15-5D	"	"		"	"	1140	"	"	"									10
15-6	"	"		"	"	1155	"	"	"									11

Possible Hazard Identification [ ] Hazardous [X] Non-Hazardous [ ] Radioactive Sample Disposition [X] Dispose as appropriate [ ] Return [ ] Archive

Comments: SAMPLED BY WEAVER CONSULTANTS GROUP, LLC.

Sample temperature upon receipt in degrees C = 5.9 +0.1 = 6.0

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
[signature]	8.4.15 1708		
[signature]	8-5-15 730	Ron Dunson	8/5/15 8:00
Ron Dunson	8/5/15 9:30	[signature]	8/05/15 0930

rev. 11/04/04

Page 1 of ____

Page 24 of 25

MICROBAC®

Samples Submitted to:

[X] 250 West 84th Drive, Merrillville, IN 46410, Tel: 219-769-8378, Fax: 219-769-1664

[ ] 5713 West 85th Street, Indianapolis, IN 46278, Tel: 317-872-1375, Fax: 317-872-1379

Chain of Custody Record

Number 129987

Instructions on back

Client Name ARCELORMITAL BURNS HARBOR	**Project** ORE DOCK WALL ANNUAL	**Turnaround Time**	**Report Type**
Address 250 W US 12	**Location** ORE DOCK	[ ] Routine (7 working days)	[ ] Results Only [ ] Level II
City, State, Zip BURNS HARBOR IN 46304	**PO #**	[ ] RUSH* (notify lab)	[ ] Level III [ ] Level III CLP-like
Contact TERI KIRK	**Compliance Monitoring?** [X] Yes(1) [ ] No RCRA	_____ (needed by)	[ ] Level IV [ ] Level IV CLP-like
Telephone # 219-787-4643	(1)Agency/Program CORRECTIVE ACTION		[ ] EDD

Sampled by (PRINT) A. HUANG & S. STANFORD **Sampler Signature** _____ **Sampler Phone #** 574-271-3447

Send Report via [ ] Mail [ ] Telephone [ ] Fax (fax #) _____ [ ] e-mail (address) _____

* **Matrix Types:** Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

** **Preservative Types:** (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

Client Sample ID	Matrix*	Grab	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Requested Analyses → Preservative Types ** ↓	AMMONIA								For Lab Use Only 15H0220
15-6D	GW	✓		N	8.4.15	1155	1	(2)									12
15-7						1210											13
15-7D						1210											14
15-8						1605											15
15-8D						1605											16
15-9						1612											17
15-9D						1612											18

Possible Hazard Identification [ ] Hazardous [X] Non-Hazardous [ ] Radioactive **Sample Disposition** [X] Dispose as appropriate [ ] Return [ ] Archive

Comments SAMPLED BY WEAVER CONSULTANTS GROUP LLC

5.9 +0.1 = 6.0

Sample temperature upon receipt in degrees C =

	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
		8.4.15/1708		
		8-5-15/	Ron Duncan	8/5/15 8:00
	Ron Duncan	8/5/15 9:30		8/05/15 0930

rev. 11/04/04

ArcelorMittal Burns Harbor, LLC.
Flat Carbon Steel

ArcelorMittal

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. James Filippini
Mr. Douglas Lamb
Water Division Compliance Branch
United States Environmental Protection Agency, Region V
77 West Jackson Boulevard (WC-15J)
Chicago, Illinois 60604-3590

October 7, 2015
PJ/DW

Subject: Annual Dock Wall Observation and Repair
Consent Decree – Case No. 2:96-CV-96-RL-1
ArcelorMittal Burns Harbor LLC

Reference: Letter, R. A. Maciel to Messrs. Filipinni and Lamb, same subject, dated September 10, 2015

Dear Messrs. Filippini and Lamb:

As indicated in the referenced letter, attached are the summary table from the Reference which has been updated to include the dates of repair and photographs of each of the nine (9) locations after repair. Repairs were initiated on September 9, 2015 and were completed on September 28, 2015.

If there are any questions concerning this matter, please contact T. E. Kirk or me at (219) 787-2712.

Very truly yours,

R. A. Maciel, Manager
Environmental Management Department

Attachments

CC: D. P. Bley

ArcelorMittal Burns Harbor, LLC.
Environmental Mgmt. Dept.
250 W. U.S. Highway 12
Burns Harbor, IN 46304
USA

T +1 219 787 2712
F +1 219 787 4973
www.arcelormittal.com

ArcelorMittal Burns Harbor, LLC
Annual Dock Wall Observation and Repairs
Consent Decree – Case No. 2:96-CV-96-RL-1

Attachment 1 – Summary Report of the Annual dock Wall Inspection

ArcelorMittal Burns Harbor, LLC
August 4, 6, and 27, 2015 Dock Wall Inspection
Performed by: Weaver Boos Consultants

ID Number	Height Above Water (feet)	Estimated Flow Rate (Liters/minute)	Estimated Flow (Gal/Min)	Ammonia Concentration* (mg/L)	Ammonia Discharge (Pounds/day)	Date of Repair
15-1	3	50	13.2	0.59	0.09	9/14/15
15-2	1	10	2.6	0.65	0.02	9/15/15
15-3	4.5	1	0.3	1.1	<0.01	9/15/15
15-4	3	2	0.5	3.3	0.02	9/15/15
15-5	5	10	2.6	1.1	0.03	9/15/15
15-6	5	30	7.9	1.4	0.13	9/25/15
15-7	4.5	20	5.3	5.2	0.33	9/21/15
15-8	4	5	1.3	0.28	<0.01	9/09/15
15-9	5	5	1.3	0.28	<0.01	9/28/15

Total Potential Ammonia Discharge (pounds per day) from all locations: **0.65**

* Results reported are the larger of the sample and duplicate analysis.